

UNIVERSITY OF CALIFORNIA
SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA

VISIBILITY LABORATORY
SAN DIEGO 52, CALIFORNIA

VisLab File No. 003

To: Chief, Bureau of Ships
Attn: Code 687C

Subj: NASA Interagency Fund Transfer R-139; Visibility Laboratory activities
under Contract NObs-92058 for August 1965 on the development for NASA
of computer techniques for performing visibility calculations

During the month of August the modifications to the computer programs required to allow the insertion of directional reflectance properties for the objects were completed. The program now computes the inherent contrast of the object for each path of sight and then calls on the vision data and atmospheric data to calculate the distance along each path of sight at which the object is detectable with a given probability. The program was also modified to allow calculation for any given detection probability. A number of sample calculations of maximum sighting range were performed.

J. L. Harris, Sr.
J. L. Harris, Sr.
Manager of Research
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JLH:tm

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